

We claim:

1. A coupling assembly for coupling a first part to a second part, comprising:

an elongated slot formed in the first part, the slot having first and second spaced apart substantially parallel longer side walls joined together at opposite ends thereof by a pair of shorter end walls; and

a latch device projecting from the second part and releasably receivable by the slot, the latch device comprising a pair of spaced-apart fingers projecting from an outer portion of the second part and a tab projecting from an outer portion of the second part, the tab being positioned between the fingers, the fingers projecting generally linearly and parallel with respect to each other, the fingers having outer surfaces which define a plane and which face generally away from a main portion of the second part, the tab having a base, a first leg and a second leg, the base projecting from the second part in a direction generally parallel to the fingers, the first leg extending away from the plane from a first end joined to the base to a second end joined to the second leg, the second leg extending towards the plane and away from the first leg.

2. The coupling assembly of claim 1, wherein:

the first and second legs form an apex which is spaced apart from the plane of the fingers.

3. The coupling assembly of claim 1, wherein:

the first part forms a pair of ramp surfaces adjacent to the ends of the slot, the ramp surfaces being engagable with the fingers to help guide the latch device into the slot.

4. The coupling assembly of claim 1, wherein:

the first leg engages an edge of the slot when the latch device is fully received by the slot, and the tab is biased to urge the latch device into the slot.

5. The coupling assembly of claim 1, wherein:

the second leg engages an edge of the slot when the latch device is being inserted into the slot, and the tab deflects towards said plane as the latch device is inserted into the slot.

6. The coupling assembly of claim 1, wherein:
the fingers engage the end walls of the slot and deflect towards each as the latch device is inserted into the slot.
7. The coupling assembly of claim 1, wherein:
at least one latch and slot is located at opposite ends of the first and second parts, each latch forming a pivot axis about which the second part can pivot and whereby either end of the second part may be lifted away from the first part.
8. The coupling assembly of claim 1, wherein:
at least one latch and slot is located at opposite ends of the first and second parts, and all the latches can be removed from their corresponding slots to completely remove the second part from the first part.
9. The coupling assembly of claim 1, wherein:
as the latch device is inserted into the slot, the fingers engage one of the side walls of the slot, and the second leg engages an opposite side wall of the slot and deflects towards said plane.
10. A coupling assembly for coupling a first part to a second part, comprising:
a plurality of elongated slots formed in the first part, at least one of said slots being located at a first end of the first part and at least one of said slots being located at a second end of the first part opposite of said first end, each slot having first and second spaced apart substantially parallel longer side walls joined together at opposite ends thereof by a pair of shorter end walls; and
a plurality of latch devices projecting from the second part, at least one of said latch devices being located at a first end of the second part and at least one of said latch devices being located at a second end of the second part opposite of said first end, each latch device being releasably receivable by a corresponding one of the slots, each latch device comprising a pair of spaced-apart fingers projecting from an outer portion of the second part and a tab projecting from an outer portion of the second part, the tab being positioned between the fingers, the fingers projecting generally linearly and parallel with respect to each other, the fingers having outer surfaces which define a plane and which face generally away from a main portion of

the second part, the tab having a base, a first leg and a second leg, the base projecting from the second part in a direction generally parallel to the fingers, the first leg extending away from the plane from a first end joined to the base to a second end joined to the second leg, the second leg extending towards the plane and away from the first leg.

11. The coupling assembly of claim 10, wherein:

the first and second legs form an apex which is spaced apart from the plane of the fingers.

12. The coupling assembly of claim 10, wherein:

the first part forms ramp surfaces adjacent to the ends of each slot, the ramp surfaces being engagable with the fingers to help guide the latch devices into the corresponding slot.

13. The coupling assembly of claim 10, wherein:

the first leg engages an edge of the slot when the latch device is fully received by the slot, and the tab is biased to urge the latch device into the slot.

14. The coupling assembly of claim 10, wherein:

the second leg engages an edge of the slot when the latch device is being inserted into the slot, and the tab deflecting towards said plane as the latch device is inserted into the slot.

15. The coupling assembly of claim 10, wherein:

the fingers engage the end walls of the corresponding slot and deflect towards each as the latch device is inserted into said slot.

16. The coupling assembly of claim 10, wherein:

each latch device pivotally coupling the second part to the first part, whereby either end of the second part may be lifted away from the first part.

17. The coupling assembly of claim 10, wherein:

all the latch devices can be removed from their corresponding slots to completely remove the second part from the first part.

18. The coupling assembly of claim 10, wherein:

as each latch device is inserted into the corresponding slot, the fingers engage one of the side walls of the corresponding slot, and the second leg engages an opposite side wall of the corresponding slot and deflects towards said plane.